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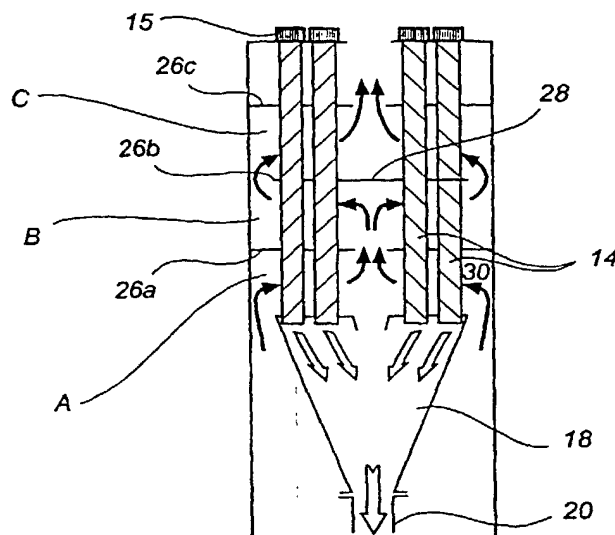
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(54) Title: PARTICLE SEPARATOR



(57) Abstract: The present invention relates to a method for separating entrained particles from a gas in a fluidised bed reactor system and a fluidised bed reactor system including a particle separator for separating entrained particles from a gas. The particles are separated from the gas flowing in a direction other than the main gas flow direction, whereby the separation is multidimensional. The gas is allowed to pass from the outside of the configuration to the inside thereof and/or vice versa, wherein the particles are separated from the gas during such a travel. The gas flow can be multileveled.